



# Black and Decker LDX 120C Gear Replacement

This guide will demonstrate a step by step process on how to replace the drill's gear.

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## INTRODUCTION

If the drill isn't working effectively it might be because of the gears, so this guide will show a step by step process on how to access the gear and to change necessary components.

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### TOOLS:

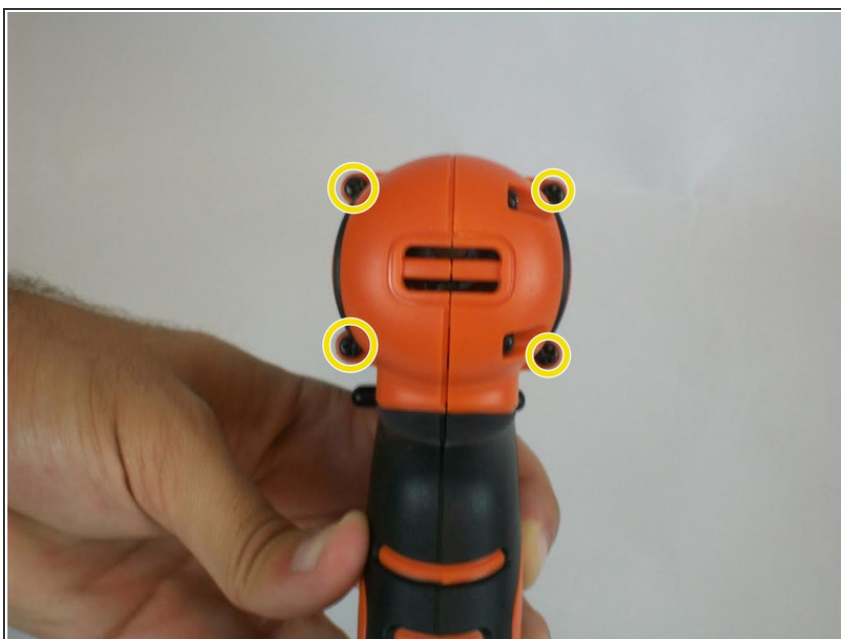
- [Phillips #1 Screwdriver](#) (1)
  - [iFixit Pro Tech Toolkit](#) (1)
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## Step 1 — Outer Case



- For this guide we will need to use a 1.0 mm phillips #1 screw.
- There are a total of thirteen screws that need to be removed in order to open the drill and access the interior components.

## Step 2



- Remove the four screws on the back top side of the drill.

### Step 3



- Remove the four screws that connect the chuck to the drill.

### Step 4



- Remove the five screws on the front side of the drill.

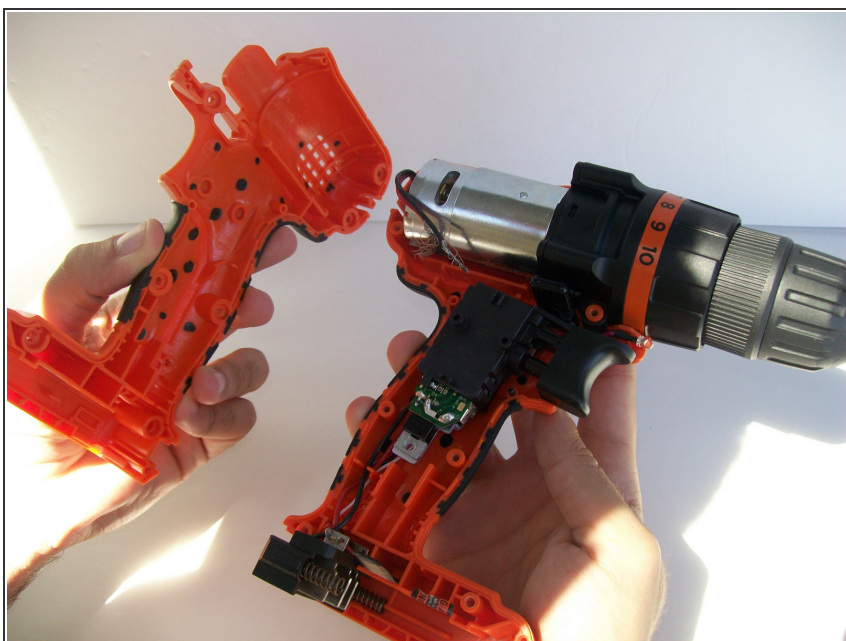


## Step 5



- Gently grab both sides of the drill casing, and separate both sides from each other.

## Step 6



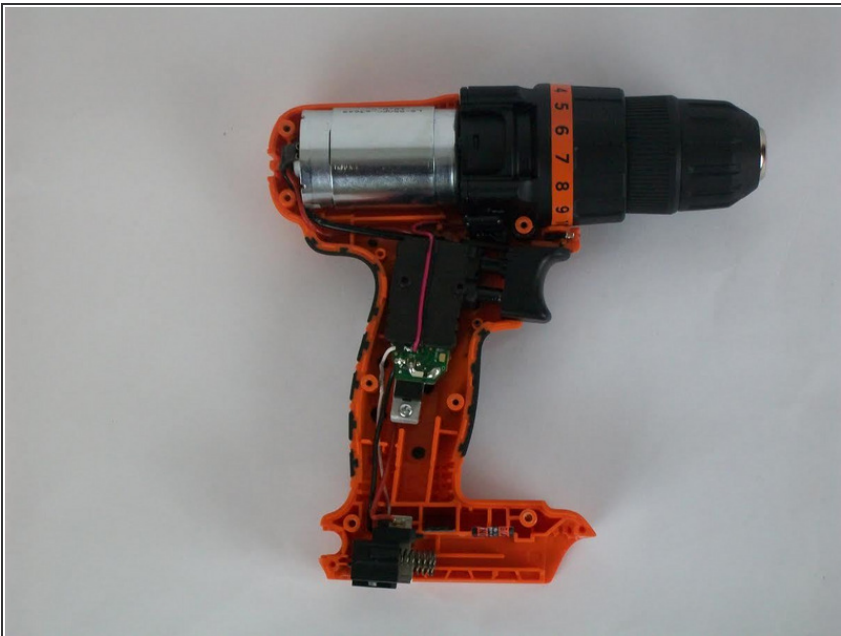
- At this point you should be able to separate both as illustrated.

## Step 7



- Now all the components of the drill are visible and can be accessed.

## Step 8 — Gear



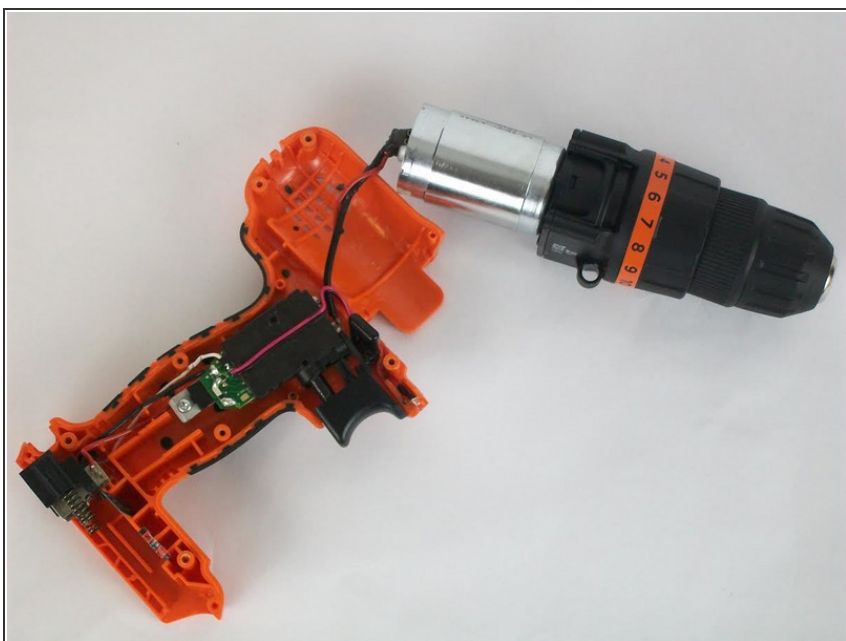
- After following the prerequisite guide you will be able to access the interior components of the drill.

## Step 9



- Gently remove the top part (motor and chuck) from the rest of the drill.

## Step 10



- ⓘ Make sure you do that with care so that the connection doesn't get damaged.



## Step 11



- To be able to get into the gears you will need to separate the motor from the rest.
- And then you will be able to access the gears which is located between the motor and the chuck.

## Step 12



- Twist the gauge to change between the gear.
- If you don't hear a clicking sound then check the gears.



## Step 13



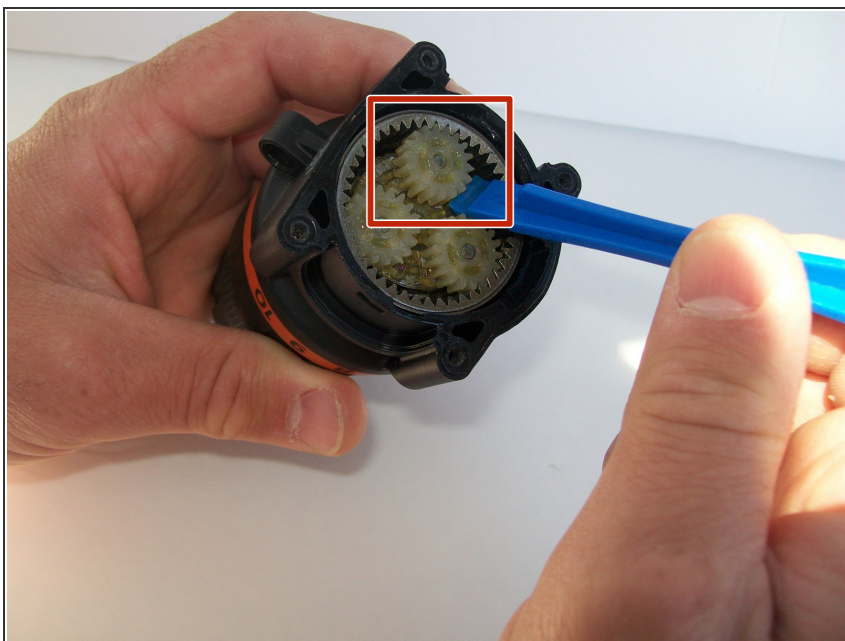
- Twist the gear and see if the three gears rotate without jamming.

## Step 14



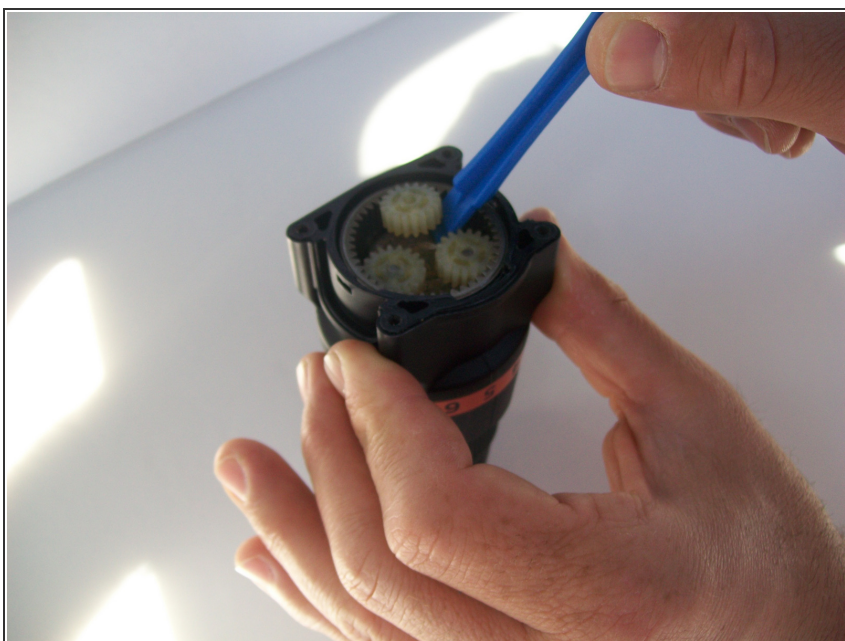
- Check if any gear is chipped or broken in any way.
- If it is then you will need to change the broken gear.

## Step 15



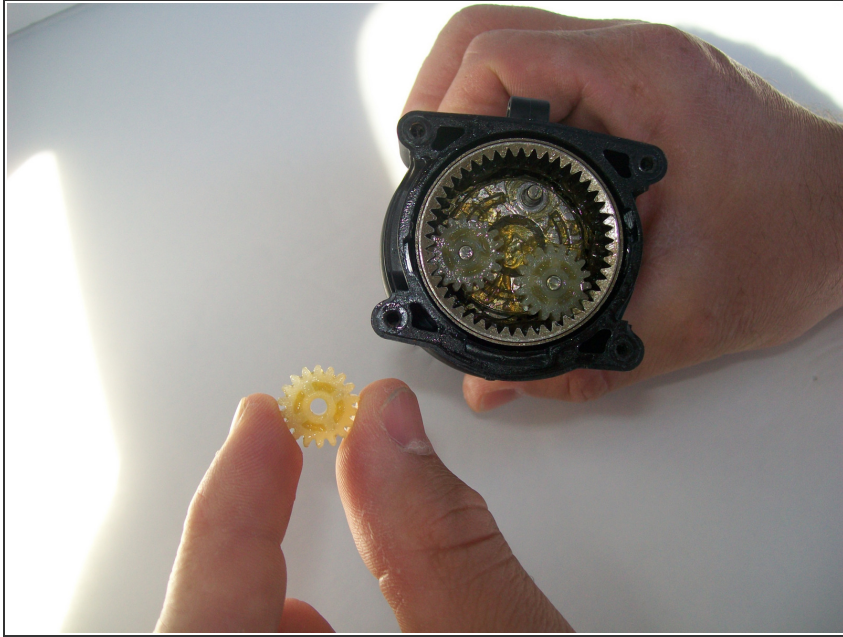
- Using the spudger place it under the gear as illustrated.

## Step 16



- The gear will remove with just a little amount of force.

## Step 17



- The gear has been removed and now can be replaced by another gear.

To reassemble your device, follow these instructions in reverse order.

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